

Synergy® V

Model RT-U61C/RT-U63CP

Universal / DVR Remote Control



Programming And Operating Instructions

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Synergy® V RT-U61C / RT-U63CP

1. Introduction

Your Synergy® V Universal / DVR remote control is simple to program, easy to use, and can operate up to five (5) electronic devices, which include:

CABLE	Cable set-top terminals
TV	Televisions
VCR	VCR
DVD	DVD
AUDIO	Audio receivers, amplifiers, CD players

Before you can use your remote control, it must be programmed (set-up) to operate the above devices.

2. Before Getting Started

Some of the special features and buttons on your remote control are as follows

Point and Press® Programming

Lets you program your TV, VCR, DVD, AUDIO devices without using codes. For more information, see sections 5 and 14.

[ALL] SmartKey®

Turns your CABLE set-top terminal and TV on / off with one button press. [ALL] can also be programmed to turn on / off additional electronic devices, or automatically set your correct TV output channel. For more information, see section 9.

[MODE]

Indicates which mode (i.e. CBL, TV, VCR, DVD, AUDIO) the remote is currently operating in by illuminating the power button. To change to a different mode, press [MODE], then the power button for the electronic device you wish to operate. For more information, see Section 15.

Memory Guard®

Eliminates reprogramming after battery changes.

3. Installing / Replacing Batteries

Install two (2) new AA Alkaline batteries. Properly match the "+" / "-" ends of the batteries with the diagram in the battery compartment.

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When the batteries become low and need to be replaced, the [CBL], [TV], [VIDEO], [AUDIO] buttons will not illuminate normally, or at all during use, and the remote will no longer operate your devices. When this occurs, replace the existing batteries with two (2) new AA Alkaline batteries to restore normal operation to the remote. For more information, see Section 14.

4. Programming Your Cable Set-Top Terminal

Your remote control is pre-programmed to operate the Scientific Atlanta Explorer® 8000 digital set-top terminal. To operate a different cable set-top terminal, look up the brand and model in the Cable Setup Code list and follow these steps :

- Press [SEL], then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. CBL → TV → VCR → DVD → AUDIO → CBL).
- From the Cable Setup Code list, locate the 3-digit code for your brand / model and enter it on the keypad of the remote control. The set-top terminal will turn off.
- Then, press [SEL] to lock in the code. The power / mode buttons will blink 3-times and go out.

Cable Setup Codes

Motorola		
DCT, CFT2200	002	
CFT 2103, CFT 2000	002	
DCT 62xx series DVR terminals	002	
Jerold		
DL4, DP(V), DQ(V), DPBB	003	
Scientific Atlanta		
Explorer® 8003 (w/o Day ◀, ▶)	412	
Explorer® 8030 (with Day ◀, ▶)	413*	
Pace		
510 Digital	412	
HD Digital	010	412

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Pioneer		
Voyager™	004	
BA-V1000, BA-V2000	007	
Samsung		
SMT-H3050	412	
Tocom		
5503VIP, 5507, 5508	086	
Zenith		
MM2500	009	
Digital	013	

* Supports Explorer® 8000 set-top terminals running Passport™ software with Day ◀ / ▶ functionality in Electronic Program Guide

5. Programming Your TV, VCR, DVD and AUDIO Devices

Code Entry Programming

- Turn on all the electronic devices (TV, VCR, DVD, AUDIO) you want to program the remote to operate.
- Press [SEL], then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. CBL → TV → VCR → DVD → AUDIO → CBL...).
- a. To program your TV, locate the 3-digit code for your brand in the TV Setup Code list and enter it on the keypad of the remote control. Entry of the correct code will cause your TV to turn off. It multiple codes are listed for your brand, you may have to try several different codes until your TV turns off.
b. As soon as you have entered a 3-digit code that turns your TV off, press [MUTE].
 - If the TV turns back on, press [SEL] to lock in the code. The power / mode buttons will blink 3-times and go out.
 - If the TV does not turn back on, enter a different 3-digit setup code until your TV turns back on. Then press [SEL] to lock in the code. The power / mode buttons

will blink 3-times and go out.

- To program your VCR refer to the VCR / DVD Setup Code lists and repeat steps 2 and 3 above.
- To program your DVD refer to the VCR / DVD Setup Code lists and repeat steps 2 and 3 above.
- To program your AUDIO equipment, refer to the AUDIO Setup Code list and repeat steps 2 and 3 above.

Point and Press® Programming

This method allows you to program the remote control without using codes. Instead, the remote control automatically finds the correct command that you select in a variety of codes until you find the code that operates your device. You then lock in the correct code as described below.

The following instructions describe how to program your remote control using the [CH +] or [CH -] buttons ("Power" function during programming). You may also program your remote control using other buttons / functions as described in Section 14. When using this method, there are several important points to remember:

- The order in which you program your electronic devices is not important.
- There may be several codes that turn your electronic devices on / off (or perform other functions). Once you lock-in a code, be sure to check the available functions for that device (i.e. TV - Vol +/-, Mute, TV Input (Video Source button), VCR - Play, Stop..., DVD - Play, Stop..., AUDIO - Vol +/-, Mute) to see if they are operating.
- While the remote is searching for the correct setup code(s) for your electronic devices, it is possible that other (previously programmed) devices may turn on / off (or perform other functions). If this occurs, continue pressing the [CH +] or [CH -] buttons (or the buttons described in Section 14) until you find the correct code for the device you are programming.
- It may take several minutes for the remote to find the correct code that turns your device off (or performs another selected function). During this time, the power / mode buttons will illuminate in fast-rotation (i.e. CBL → TV → VCR → DVD → AUDIO → CBL...).

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- Turns back on, press [SEL] to lock in this code. The power / mode buttons will blink 3-times and go out.

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Programming your electronic devices using the [CH +] or [CH -] buttons ("Power" function during programming)...

- Turn on all the electronic devices (TV, VCR, DVD, AUDIO) you want to program the remote to operate.
- Press [SEL], then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. CBL → TV → VCR → DVD → AUDIO → CBL...).
- Press and hold the [CH +] button until one device turns off. While you are pressing the [CH +] button, the power / mode buttons will illuminate in fast-rotation (i.e. CBL → TV → VCR → DVD → AUDIO → CBL...).
- Press [MUTE]. If the device that turned off...
 - Turns back on, press [SEL] to lock in this code. The power / mode buttons will blink 3-times and go out.
Or
 - Does not turn back on, press [CH -] one step at a time until that device turns back on. Each time you press the [CH -] button, the power / mode buttons will illuminate once in reverse fast-rotation (AUDIO → DVD → VCR → TV → CBL...).Once you have found a code that turns the device on / off, press [SEL] to lock in this code. The power / mode buttons will blink 3-times and go out.
- Repeat steps 2 to 4 above for each of the remaining electronic devices you wish to program the remote to operate.

6. Programming Your TV, VCR or TV / DVD Combination

- First, turn on your TV / VCR or TV / DVD combination device and install a VHS tape or DVD.
- Next, program your remote to operate the TV functions of your combination device.
Using the Code Entry Programming method described in Section 5, find a TV Setup Code that operates the TV functions (Power, Vol +/-, Mute) of your combination device.
- Last, program your remote to operate the VCR or DVD functions of your combination device.
Using the Code Entry Programming method described in

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Section 5, enter, lock and test each 3-digit VCR or DVD Setup Code for your brand until a code is found that operates the VCR or DVD transport functions (Play, Stop, FF, Rew, Pause, Rec) functions of your combination device.

Before you can test for the correct VCR or DVD setup code, you must first press the [MODE] button, then the [VCR] or [DVD] button to put the remote in its VCR or DVD mode.

7. Programming Your TV / VCR / DVD Combination

- First, turn on your TV / VCR / DVD combination device and install a VHS tape and DVD.
- Next, program your remote to operate the TV functions of your combination device.
Using the Code Entry Programming method described in Section 5, find a TV Setup Code that operates the TV functions (Power, Vol +/-, Mute) of your combination device.
- Next, program your remote to operate the DVD functions of your combination device.
Using the Code Entry Programming method described in Section 5, enter, lock and test each 3-digit DVD Setup Code for your brand until a code is found that operates the DVD transport functions (Play, Stop, FF, Rew, Pause) of your combination device.
- Before you can test for the correct DVD setup code, you must first press the [MODE] button, then [DVD] button to put the remote in its DVD mode.
- Last, program your remote to operate the VCR functions of your combination device.
Using the Code Entry Programming method described in Section 5, enter, lock and test each 3-digit VCR Setup Code for your brand until a code is found that operates the VCR transport functions (Play, Stop, FF, Rew, Pause, Rec) of your combination device.
- Before you can test for the correct VCR setup code, you must first press the [MODE] button, then [VCR] button first to put the remote in its VCR mode.

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TV Setup Codes

BRAND	CODE				
Admiral	026	054	211	213	
Advent	072	094	425	447	
Adventura	047				
Aiwa	214				
Akai	053				
Amark	023	215			
Amstrad	157				
Anam	217	218	219	220	221
	222	223			
AOC	053	073	095	108	
APEX	030	038	427		
Audiovox	220	191	168	051	
Belcor	073				
Bell & Howell	211	213			
BenQ	454				
Broksonic	165	167			
Brokwood	073				
Candle	068	091			
Centurion	095	107	108		
Citizen	068	091	211	213	233
Concerto	073	095			
Contec	147				
Coronado	023				
Craig	223				
Crown	023				
Curtis Mathes	016	054	107	108	211
	213				
Daewoo	051	068	073	095	158
	159	169	191	194	196
	197	198	203	202	204
	205	206	207	209	
Daytron	073	095	107	108	
Deif	448	094	072		
Dumont	073				
Electro Home	073	095			
Elektra	353				
Emerson	016	023	053	064	103
	139	158	159	164	165
	166	167	168	169	392
	400	401	402	408	415
Envision	073	095			
ESA	454	456			
Fisher	355	356			

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Funai	047	048	157	168	211
Fujitsu	460				
Gateway	426				
GE	015	018	042	044	049
	054	055	068	073	090
	062	095	101	102	103
	389	390	396	403	406
	407				
Gibralta	023	048	053	068	073
	090	095	107	108	233
	360				
Goldstar (LG)	023	053	068	073	090
	107	108	233	360	361
	104				
Gradiente	233				
Grundig	443				
Go Video	072				
HP	073	095			
Hall Mark	023	068	095	096	097
Hitachi	098	099	103		
	453				
Hyundai	364				
Inkel	450	461	456		
Insignia	039	053	068	073	092
JC Penney	095	102	355		
	062				
Jensen	104	105	106	396	397
JVC	410				
	073	095			
Kawasho	023				
KMC	023	053	233	366	
KTV	445	168			
Konka	211	213			
Kurazai	023	053	068	073	090
LG (Goldstar)	107	108	233	360	361
	211	213			
Lodgenet	211	213			
Logik	068	073	095		
Luxman	024	026	157	345	355
LXI	388				
	459				
Mag	023	068	071	072	073
Magnavox (Philips)	089	090	091	092	093
	094	134	385	387	397
	404	419			
Majestic	211	213			
Marantz	053	107	108	109	
Maxent	426				

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Megatron	215				
Memorex	090	211	213	355	388
	405	423			
MGA / Mitsubishi	053	068	073	090	095
	107	109	110	216	384
	394	395	398	399	417
	108				
Montgomery Ward	022	023	026	053	071
	072	108	211	213	
	028	068	090	108	200
	426				
NEC	455				
Net TV	019	159	160	161	162
Norcent	163	382			
Orien	042	043	044	045	046
Panasonic	429				
	023	053	068	071	072
Philco	091				
Magnavox (Philips)	023	068	071	072	073
	089	090	091	092	093
	094	134	385	387	397
	404	419			
Pilot	073	094	233		
Pioneer	111	144	383		
Polaroid	384	394			
Portland	023	068			
ProScan	055	070			
Prima	072				
Proton	090	371	372		
Protron	457				
Proview	459				
Pulsar	073				
Quasar	044				
Radio Shack	073				
Realistic	022	166	168		
RCA	042	052	053	054	055
	069	070	416	068	
	090	108			
Sampo	015	016	017	023	031
Samsung	090	107	108	134	147
	151	153	386	411	
	423	424			
Sansui	353	355	356	376	377
Sanyo	090	108	168		
Scott	023	031	038	039	068
Sears	353	355	356	030	
	016	022	023	024	025
Sharp	026	027	028	029	393

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	395	409			
Signature 2000	023	026	108	211	213
Sony	014	020	021	178	
Soundesign	091				
Squareview	157				
Superscan	419				
Supra-Macy	380				
Sylvania	068	071	072	090	091
	093	107	108	157	158
	419	092	456		
Symphonic	047	157			
Tatung	044	446			
Techwood	068				
Teknika	023	068	072	091	168
	213				
Telerent	023	213			
Tera	381				
Tevion	065	414			
TMK	068	090			
Toshiba	030	031	038	039	423
Totevision	233				
Universal	068	102			
Vidtech	068				
ViewSonic	428				
Vizio	095	454			
Wards	068	090			
White Westinghouse	211	408	449	458	020
XR-1000	213				
Yamaha	068				
York	090	108			
Zenith	047	048	049	050	051
	391	405	406	434	

Audio Setup Codes

BRAND	CODE				
Compact Disc					
ADC	318				
Akai	249	261			
Aiwa	176				
Carver	176	155			
Crown	154				
Denon	273				
Fisher	230	274			
Goldstar (LG)	308				
Harman Kardon	315				
JVC	297				
Kenwood	131	176	274	269	299
Krol	176				
LG (Goldstar)	308				
Magnavox (Philips)	037	084	119	296	433
Mission	176				
Mitsubishi	245	249			
NAD	182	231	290		
Nakamichi	264	319			
NEC	235				
NSM	176				
Onkyo	300				
Panasonic	184	266	437		
Philips (Magnavox)	037	084	119	296	433
Pioneer	116	127			
Quasar	184				
Radio Shack	186	190	266	279	289
RCA	295	037	119		
Sanyo	230	309			
SAE	176				
Scott	186				
Sharp	288	289			
Sony	067	292	293		
Soundesign	148	242	311	320	
STS	318				
Sylvania	084				
Teac	186				
Technics	184	208	317		
Toshiba	290				
Yamaha	280				
Receiver / Amplifier					
Adcom	325				

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Aiwa	301				
Akai	142				
Bose	302	440			
Carver	155	180			
Denon	262	307			
Everquest	136				
Fisher	063	180			
Fosgate Audionics	305				
Goldstar (LG)	036				
Harman Kardon	130	257	305	306	
Hitachi	240				
Jensen	140				
JVC	114	241			
Kenwood	063	277	444		
LG (Goldstar)	036				
Luxman	281				
Magnavox (Philips)	080				
Marantz	282	283	284	285	
NAD	286				
Onkyo	126	171	304		
Optimus	142	229	321		
Panasonic	032	074	438	441	
Parasound	323				
Philips (Magnavox)	080	463			
Pioneer	123	137	251	298	
Quasar	032				
Radio Shack	229	267			
RCA	439				
Realistic	226	268			
Rotel	310				
Sansui	283				
Sanyo	195				
Scientific Atlanta	312				
Scott	272				
Sharp	294				
Sherwood	229	267			
Sony	041	057	232	287	442
Soundesign	063	088	239	265	
SSI	313				
Taekwang	142				
Teac	314	316			
Technics	032				
Wards	063				
Victor	114	241			
Yamaha	145	254	303		
Zenith	036	083	088	239	265

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8. Code Number Mead-Back					
To identify the 3-digit setup codes stored under the Point and Press® programming method, follow these steps :					
To identify the TV setup code...					
1. Press [TV], then [SEL] together until the [TV] button illuminates.					
2. Press [INFO]. The mode buttons will "blink back" the code numbers, with a 1-second interval between each digit of the code. Please note that for the numeric "0", the mode buttons will illuminate blink in last sequence.					
Example : For code "130", the remote will blink 1 time, then 3 times, then in a last sequence for the 0.					
To identify the 3-digit VCR code, press [VCR], then [SEL] in step 1, then press [INFO]					
To identify the 3-digit DVD code, press [DVD], then [SEL] in step 1, then press [INFO]					
To identify the 3-digit AUDIO code, press [AUDIO], then [SEL] in step 1, then press [INFO]					
9. ALL SmartKey					
Once you have programmed the remote to operate your electronic devices, you can press the [ALL] SmartKey® to turn your Cable set-top terminal and TV on / off with one button press. You can also program the [ALL] button to turn on / off additional electronic devices and / or tune your TV to its correct output channel.					
Programming the [ALL] SmartKey®					
1. Press [ALL], then [SETTINGS] together until the [CBL] button illuminates.					
2. Enter one of the following options on the keypad of the remote :					
[0] - Turns on / off CBL + TV (default setting)					
[1] - Turns on / off CBL + TV and tunes TV to output Channel 3.					
[2] - Turns on / off CBL + TV and tunes TV to output					

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Channel 2.	
[3] - Turns on / off CBL + TV and tunes TV to output Channel 4.	
[10] - Turns on / off CBL + TV + VCR + DVD	
[4] - Turns on / off CBL + TV + VCR + DVD and tunes TV to output Channel 3.	
[5] - Turns on / off CBL + TV + VCR + DVD and tunes TV to output Channel 2.	
[6] - Turns on / off CBL + TV + VCR + DVD and tunes TV to output Channel 4.	
[11] - Turns on / off CBL + TV + VCR + DVD + AUDIO	
[7] - Turns on / off CBL + TV + VCR + DVD + AUDIO and tunes TV to output Channel 3.	
[8] - Turns on / off CBL + TV + VCR + DVD + AUDIO and tunes TV to output Channel 2.	
[9] - Turns on / off CBL + TV + VCR + DVD + AUDIO and tunes TV to output Channel 4.	
[12] - Turns on / off CBL + TV + AUDIO	
[13] - Turns on / off CBL + TV + AUDIO and tunes TV to output Channel 3.	
[14] - Turns on / off CBL + TV + AUDIO and tunes TV to output Channel 2.	
[15] - Turns on / off CBL + TV + AUDIO and tunes TV to output Channel 4.	
3. As soon as you select an option, the [CBL] button will blink 3-times and go out.	
Using the [ALL] SmartKey®	
When pressing the [ALL] SmartKey®, be sure to keep the remote control aimed at your electronic devices until your electronic devices turn on or / off.	
Whenever the [ALL] SmartKey® is pressed, the mode of the remote control will automatically switch back to Cable.	
10. Volume Control	
When you first program your remote, volume / mute are controlled through your TV (except AUDIO which defaults to the AUDIO device). The volume control options in each	

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mode of the remote are :	
CBL	TV (default), Cable or Audio.
TV	TV (default), Cable or Audio.
VCR	TV (default), Cable or Audio.
DVD	TV (default), Cable or Audio.
AUDIO	AUDIO device (default), Cable or TV.
To control volume / mute through your Cable set-top terminal in the remote's Cable mode...	
1. Press [CBL], then [SEL] together until the [CBL] button illuminates.	
2. Press [VOL +], then [CBL] for Cable volume. The [CBL] button will blink 3-times and go out.	
To return volume control to your TV, repeat step 1, then press [VOL +], then [TV] in step 2.	
11. Channel Memo® Buttons - MUSIC MOD NEWS HELP	
Your remote has 4 Channel Memory Buttons - [MUSIC], [MOD] (Movies-On-Demand), [NEWS], [HELP] (may be labeled differently on some models). Each of these buttons can store up to 5 cable channels. Each cable channel can be up to 5-digits	
Some or all of your remote's Channel Memory Buttons may come pre-tuned to channels or functions selected by your cable operator. If they have not been pre-tuned by your cable operator, they can be programmed as follows:	
Programming Channel Memory Buttons	
For example, to program the [MOD] button to cable channels 1, 12, 123, 1234, 17, follow these steps:	
1. Press [MOD], then [CBL] together until the [CBL] button illuminates.	
2. Enter each channel as follows (ex. assumes 4-digit channel format) :	
a. Enter 1 st channel # - 0001.	
b. Press [CH +] to advance to next channel # setting.	

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c. Enter 2 nd channel # - 0012.	
d. Press [CH +] to advance to next channel # setting.	
e. Enter 3 rd channel # - 0123.	
f. Press [CH +] to advance to next channel # setting.	
g. Enter 4 th channel # - 1234.	
h. Press [CH +] to advance to next channel # setting.	
i. Enter 5 th channel # - 0017.	
3. Press [MOD] to store the above channels. The [CBL] button will blink 3-times and go out. To store fewer than 5 channels, you can press the [MOD] button any time after entering a complete channel number.	
4. Repeat the above steps to program the [MUSIC], [NEWS] and [HELP] buttons. Follow the example in step 1, but press [MUSIC] or [NEWS] or [HELP], then [CBL] together until the [CBL] button illuminates.	
Using Channel Memory Buttons	
Using the above programmed channels as an example...	
1. Press [MOD] - Cable set-top terminal tunes to channel 0001.	
2. Press [MOD] again - Cable set-top terminal tunes to channel 0012.	
3. Press [MOD] again - Cable set-top terminal tunes to channel 0123.	
4. Press [MOD] again - Cable set-top terminal tunes to channel 1234.	
5. Press [MOD] again - Cable set-top terminal tunes to channel 0017.	
6. Press [MOD] again - Cable set-top terminal tunes to channel 1.... repeat.	
Whenever a Channel Memory button is pressed, the function of the transport buttons will automatically switch back to Cable.	
When pressing the Channel Memory Buttons, be sure to keep the remote control aimed at your Cable set-top	

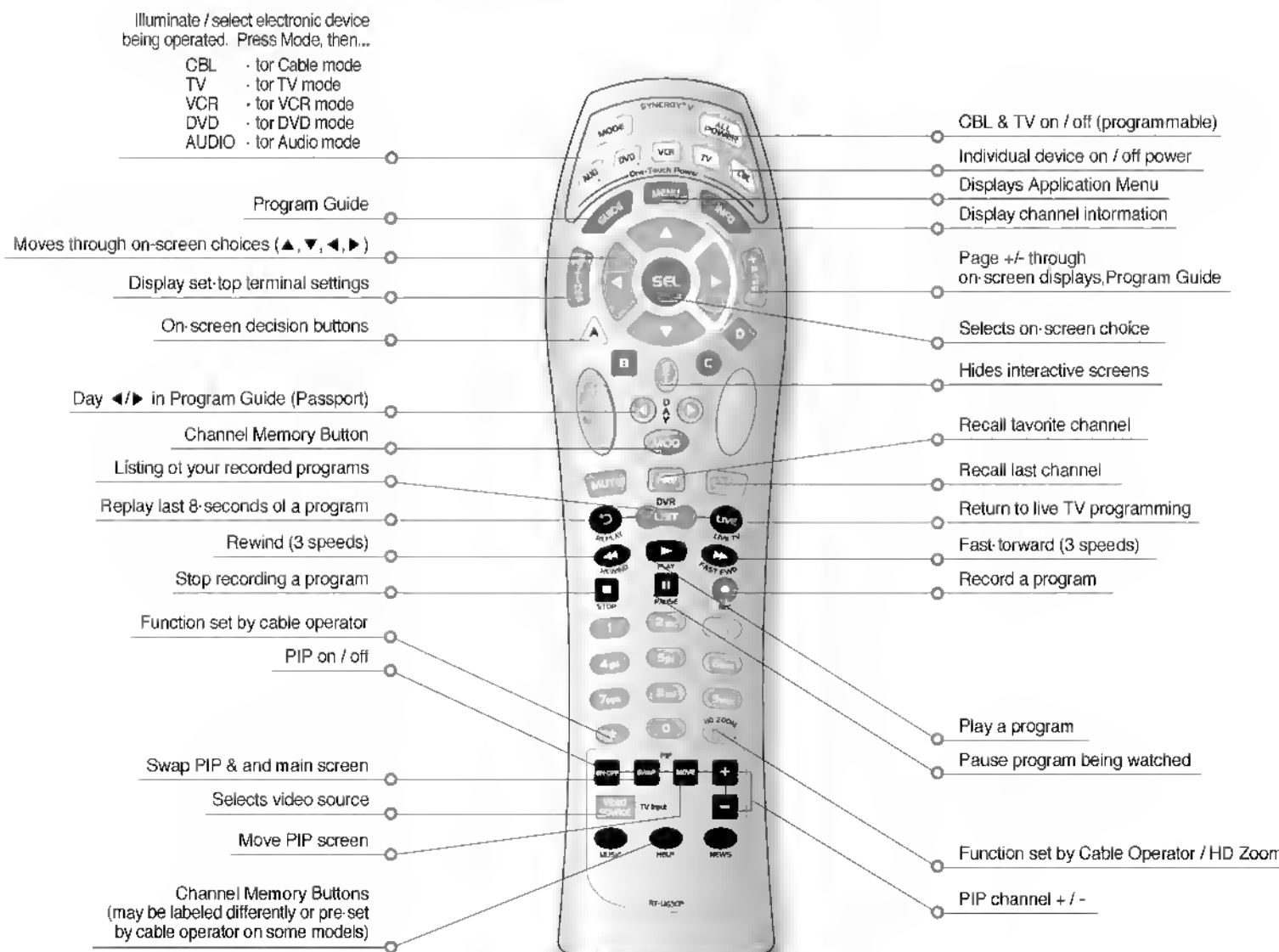
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terminal to ensure the full channel numbers are received in their entirety.	
If you are using your Synergy® V remote to operate a Cable set-top terminal other than the Explorer® 8000 model, you may only have to enter channels in a 3-digit format (ex. 012).	
12. Video Source	
This button changes the input source of your electronic devices. In the remote's Cable mode, this operates a Cable function. In the remote's TV mode, this button changes the Input Source (Input 1, Input 2...) on your TV. In the remote's VCR mode, this button changes the TV / VCR Input on your VCR.	
You can program this button so that in the remote's Cable mode, [VIDEO SOURCE] will operate the Input function on your TV or VCR, eliminating the need to change modes on the remote	
To program [VIDEO SOURCE] to operate your TV Input function in the remotes cable mode...	
1. Press [VIDEO SOURCE], then [SEL] together until the [CBL] button illuminates.	
2. Press [TV]. The [CBL] button will blink 3-times and go out.	
Note : You can also press [VCR] in step 2 above to operate the TV / VCR function on your VCR. Or press [CBL] to return to the normal CBL Video Source function.	
13. Reset	
To reset your remote control to its factory default settings...	
1. Press [CBL], then [SEL] together until the [CBL] button illuminates.	
2. Press [0]. The [CBL] button will blink 3 times and go out.	
Reset returns the ALL SmartKey®, Volume / Mute, Mode Lock®, features to their factory default settings.	

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15. Using Your Synergy® V Remote Control /DVR Features Control

Important : The following diagram shows how to use the buttons on your remote control to operate the DVP and PIP functions of your Explorer® digital set-top terminal. To access these functions, set the remote control to its Cable mode by pressing the [MODE] button, followed by the [CBL] button.



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14. Additional Programming Information Troubleshooting Terms

Additional Programming Information

1. The power / mode buttons will illuminate in slow-rotation (i.e. CBL → TV → VCR → DVD → AUDIO → CBL...) while the remote is in a programming mode. In the absence of a keypress entry, the power / mode buttons will stop illuminating after 45 seconds and the remote will exit the programming mode.

2. When programming the remote control using the [CH +] or [CH -] buttons (Power function) in the Point and Press® Programming method, you may find a code that turns a device off but not back on. It this happens...

a. The correct code has not been found as you may have a code that operates some but not all of the functions of your device. Continue pressing [CH +] until your device turn on.

OR

b. You may have gone past the correct matching code. Try pressing [CH -] one press at a time until you find a code that turns your device back on.

3. When using the Point and Press® Programming method, you can also program your remote using buttons other than the [CH +] or [CH -] as described in Section 5 as follows:

a. [VOL +] - to "go forward" through the codes using the "VOL + function on your devices.

b. [VOL -] - to "go back" through the codes using the "VOL -" function on your devices.

Note : When you find the correct code, the volume of the device being programmed will increase or decrease.

c. [▲] - to "go forward" through the codes using the "CH + function on your devices.

d. [▼] - to "go back" through the codes using the "CH -" function on your devices.

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function on your devices.

Note : When you find the correct code, the channel of the device being programmed will increase or decrease.

e. [▶▶] - to "go forward" through the codes using the "Fast Forward" function on your devices.

f. [◀◀] - to "go back" through the codes using the "Rewind" function on your devices.

Note : When you find the correct code, the fast-forward or rewind function of the device being programmed will be performed. To simplify programming using these buttons, insert a VHS tape or DVD in the device being programmed.

You can also program your remote using the other available functions as follows :

a. Press [SEL], then [MUTE] together until the power / mode buttons illuminate in slow-rotation (i.e. CBL → TV → VCR → DVD → AUDIO → CBL...).

b. In this order, carefully press [0], [0], [0], [CH+] and [VOL+]. The power / mode buttons illuminate in slow-rotation (i.e. CBL → TV → VCR → DVD → AUDIO → CBL...).

c. You can now program your remote using the [CH+], [CH -], [VOL+], [VOL -], [▲], [▼], [FFWD], [REW], [PLAY], [STOP], [REC], [PAUSE], [LAST], [FAV], [0] - [9] buttons. When you find the correct code, the function associated with the selected button will be performed.

4. Your remote is equipped with a Point and Press® Programming label on the back of its case. This will help you quickly program the remote without using codes.

Troubleshooting / Tips

1. If the same button is pressed and held for 45-seconds, your remote control will turn itself off automatically. This extends the battery life should the remote become lodged under or between heavy objects, for example sofa cushions.

2. When the batteries become low and need to be replaced,

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the [CBL], [TV], [VCR], [DVD] and [AUDIO] buttons will not illuminate normally or at all during use, and the remote will no longer operate your devices.

When this occurs, replace the existing batteries with two (2) new AA Alkaline batteries to restore normal operation to the remote. If your remote still does not operate, you may want to check to see if any of the buttons are stuck in their "down" position.

3. If you have a TV that's operated by remote control, it is recommended that you plug it directly into a wall outlet instead of the cable set-top terminal.

4. If you have any questions concerning the brand, model or operation of your cable set-top terminal, contact your cable operator.

Frequently Used Terms

AUDIO Devices - Audio receivers, amplifiers, CD players that you can program your remote to operate.

DVR - Digital Video Recorder.

Default Setting - How your remote is set when you receive it from your cable operator.

Electronic Components / Devices - The various electronics device the remote is designed. These include cable set-top terminals, TVs, VCRs, DVDs, audio-video receivers, amplifiers and CD players.

Fast Rotation - The power / mode buttons will illuminate in a fast sequence (i.e. CBL → TV → VCR → DVD → AUDIO → CBL...) repeated every 1/3 second. Fast-rotation occurs when the remote is receiving keypresses to program it to your electronic devices.

Mode - The device the remote is set to operate (ex. Cable, TV, VCR, DVD, Audio)

PIP - Picture-in-picture functionality through your Cable set-top terminal.

Program (Setup) - The process of teaching your remote control to operate your electronic devices

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Slow Rotation - The power / mode buttons illuminate in a slow sequence (i.e. CBL → TV → VCR → DVD → AUDIO → CBL...) repeated every 1 second. Slow-rotation illumination occurs when the remote is in the programming mode, waiting for the next entry on the keypad of the remote.

TV Output Channel - The channel your TV needs to be set on for proper Cable reception (most often TV channel 3, but may be TV channel 2 or 4). If you have any questions concerning your TV output channel, contact your cable operator. Or, with your cable set-top terminal turned on, try setting your TV to channel 2, 3 or 4 to obtain a clear picture.

Transport Functions - These are the [STOP], [PLAY], [FWD], [REW], [PAUSE] and [REC] buttons. In the remote control's Cable mode, these buttons operate your Cable set-top features. In the remote control's VIDEO mode, these operate your VCR or DVD functions.

VIDEO Devices - VCR or DVD players.